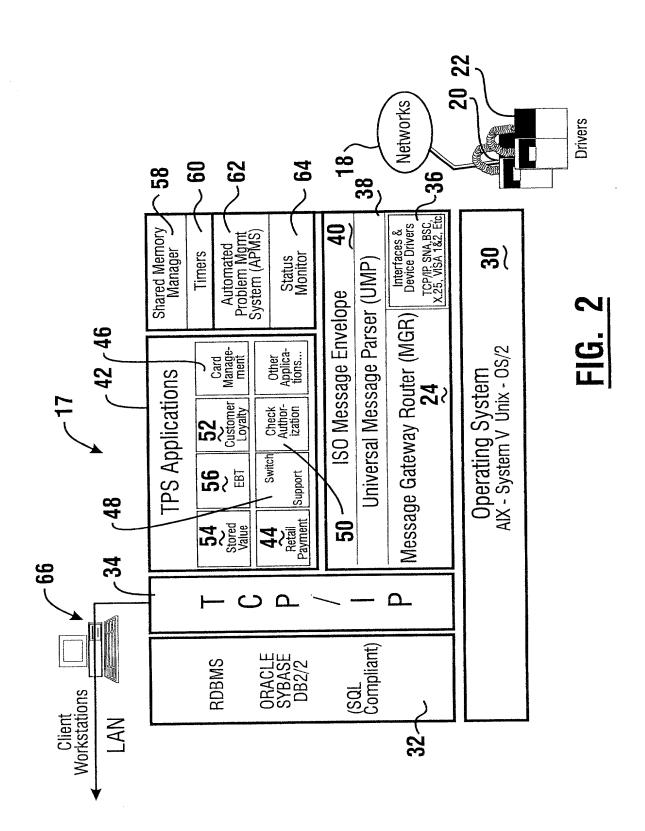
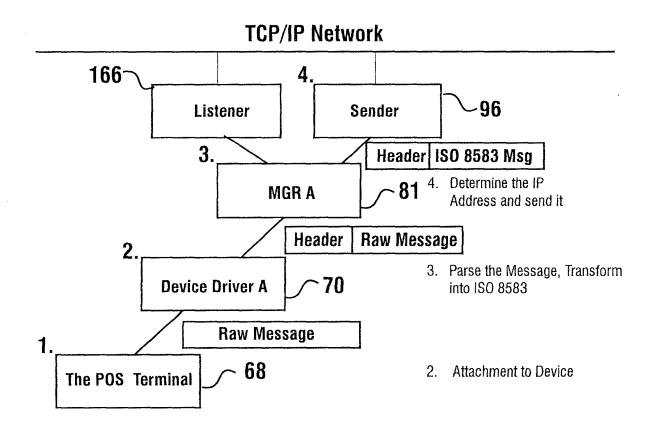


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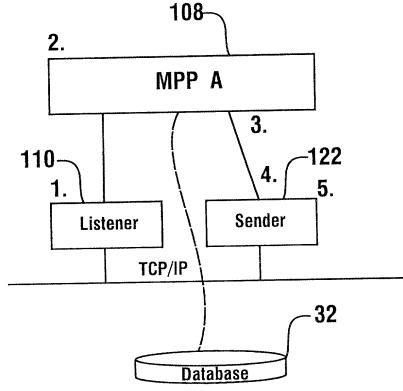


Standard Message Envelope (SME) Format.

1	Header Sid	Header Layout Version	1
2	Source Node Sid	The message originating node system Id.	
3	Message Receive System Time	The System time in YYYYMMDDHHMISSmmm format.	17
4	Internal Message Sid	Unique system Id of the received message.	4
5	Service Sid	The Message Processing Program (MPP) service system Id, which can process received message.	4
6	Target Node Sid	The message receiving node system Id	6
7	Data Format Indicator (Source)	Message data format type 0 - External Data Source 1 - Internal Data Source	1
8	Message Direction	The direction of message routing.	1
9	Processing Time	Elapsed message processing time in milliseconds.	5
10	Processing Node Sid	The last processing node system Id	6
11	Target Line Node Sid	Line driver node system id. Assigned when terminal is attached to line group.	6
12	Message Text	The Message text in ISO8583 format	Variable

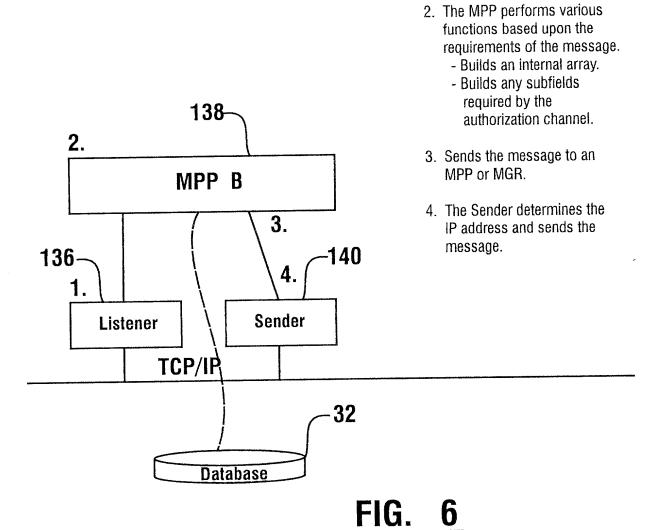


1. Origin of message

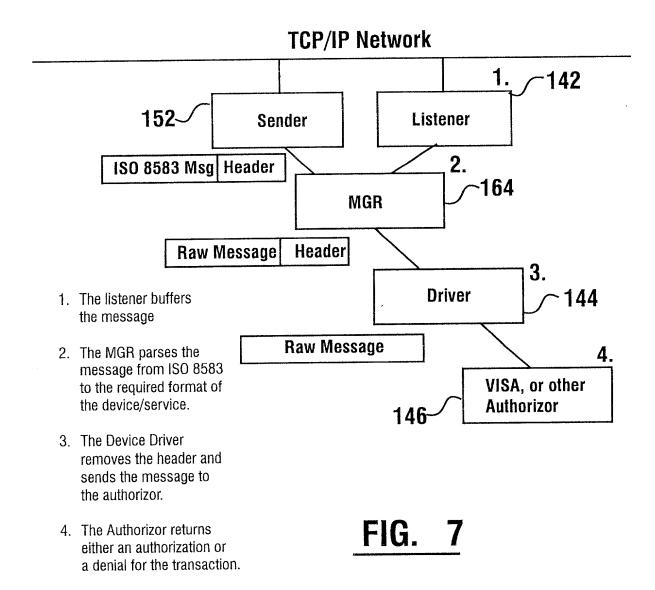


- 1. The Listener buffers the data, then places the data onto the input queue of the MPP.
- 2. The MPP performs various functions based upon the requirements of the message.
 - Builds an internal array.
 - Parses composite fields into subfields of the array.
 - May perform authorization.
 - Determines who to send the message to. May be an MPP or MGR
 - Builds a new message.
- 3. Sends a copy of the data to the database for archive.
- 4. Sends the message to the authorization host.
- 5. The Sender determines the IP address and sends the message.

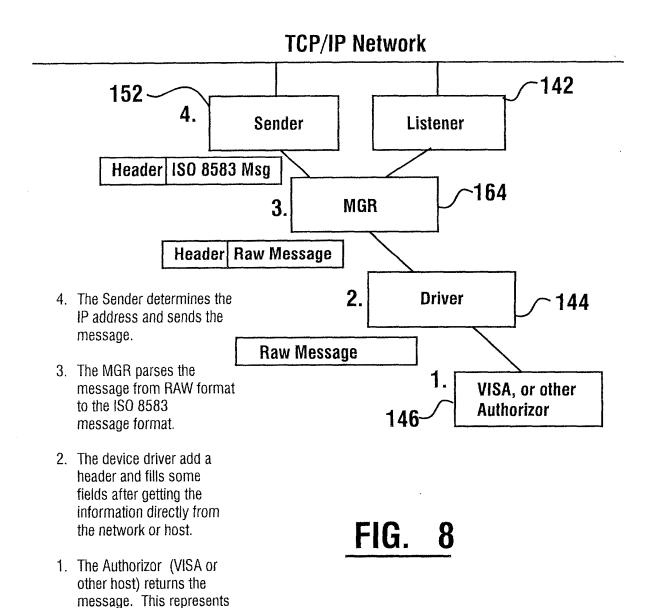
FIG. 5

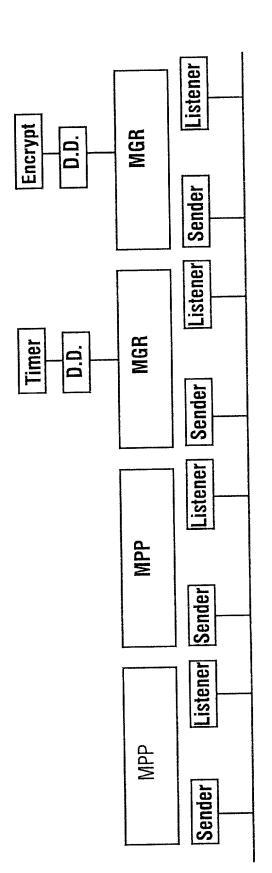


1. The Listener buffers the data, then places the data onto the input queue of the MPP.



the actual host/network.





- a key. It may send the message to the first MPP by calling the Encryption Device for The Message is sent to the second MPP. It uses a echo-back field to determine the orgin of the message. The database contains the original message with decryption of the PAN.
- such as track II data. It will then send the message back to the original calling The message is received by the first MPP. It may need to build special fields, device by using the saved data in the database. 2

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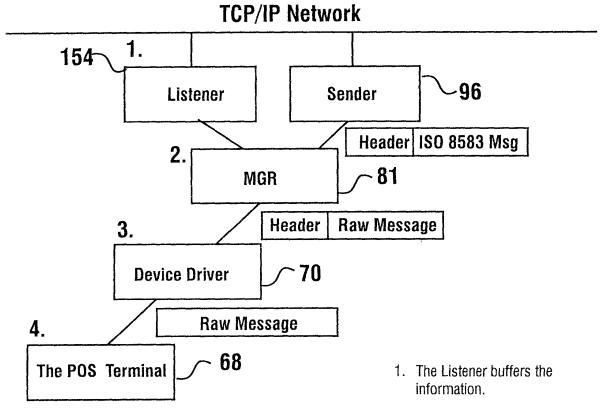


FIG. 10

- 2. The MGR parses the ISO 8583 message into a message format that can be used by the device.
- 3. The Device driver sends the message to the device.
- 4. The POS terminal returns a message confirming the authorization message.

The message is then returned to the MPP in the same manner as before.

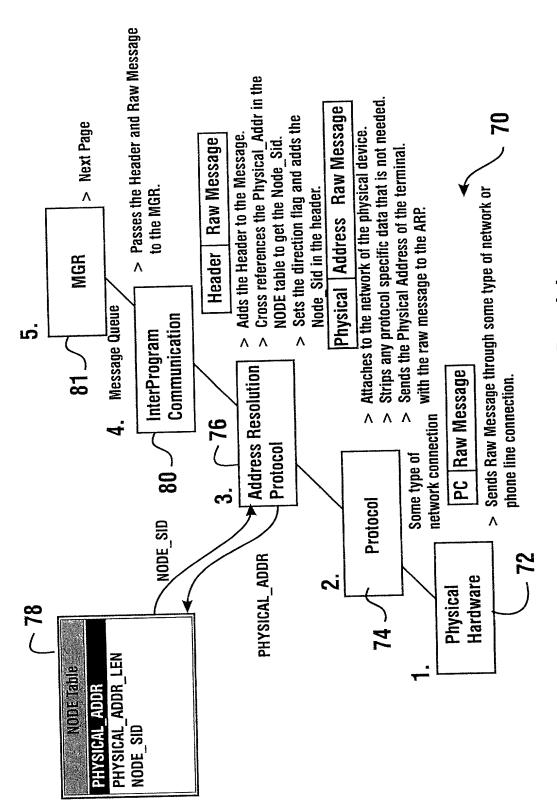
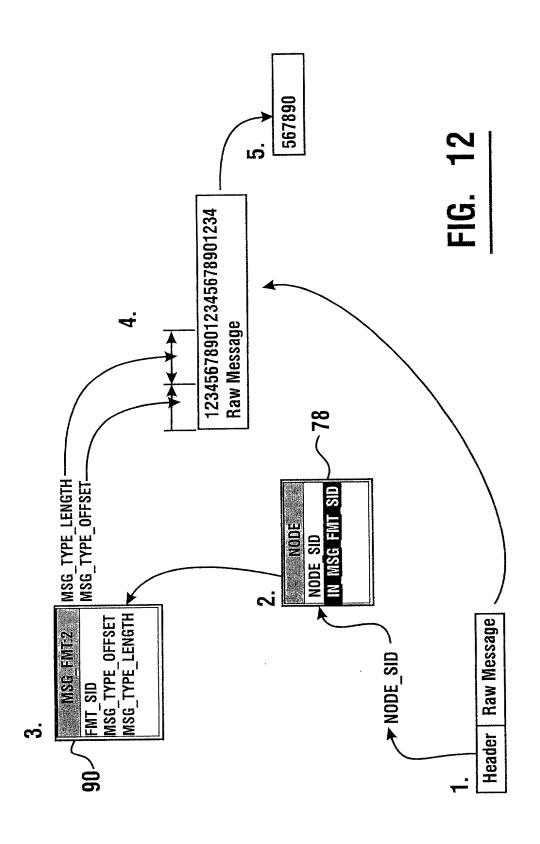
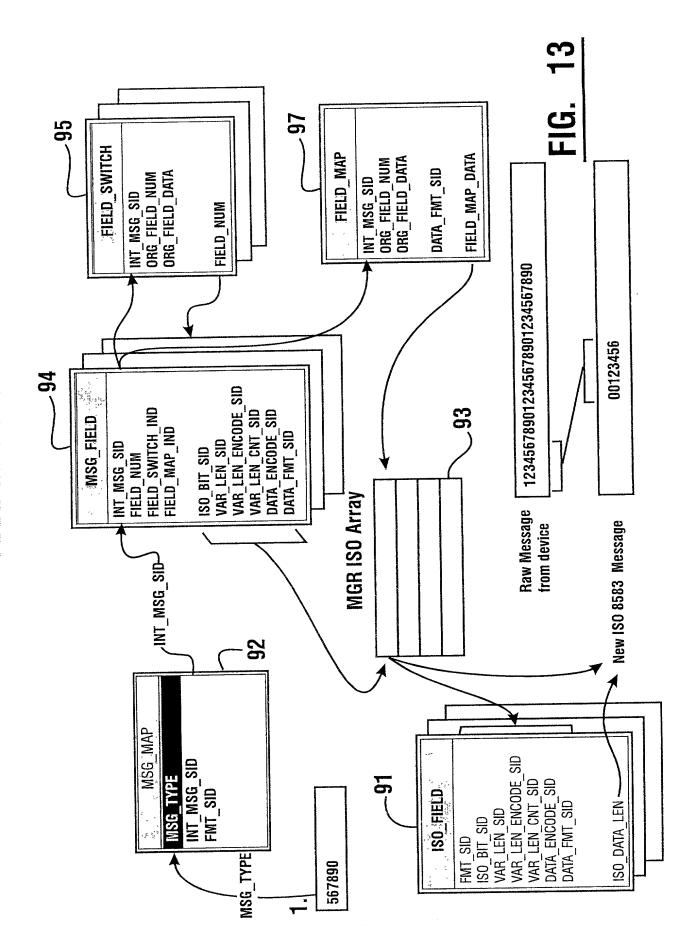
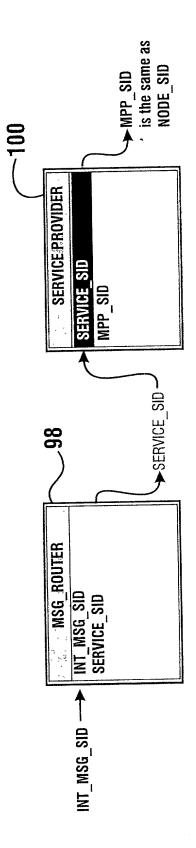


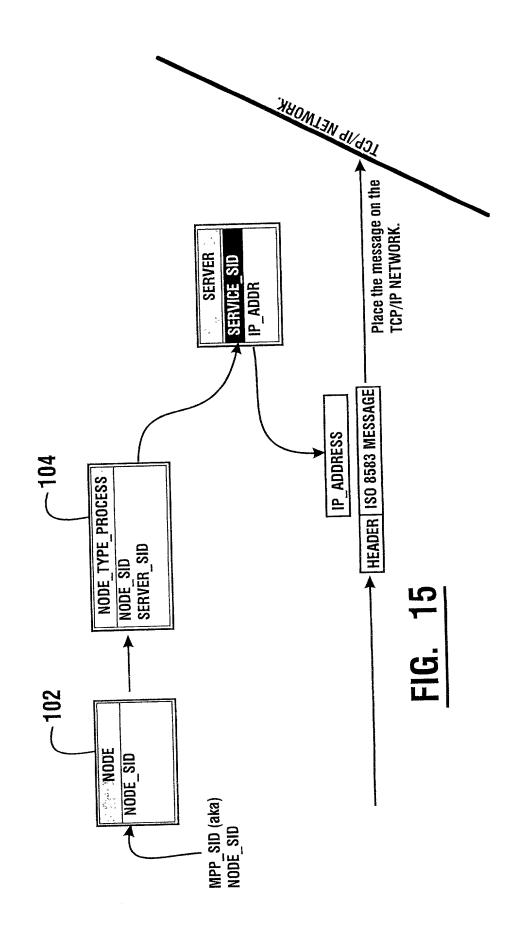
FIG. 11

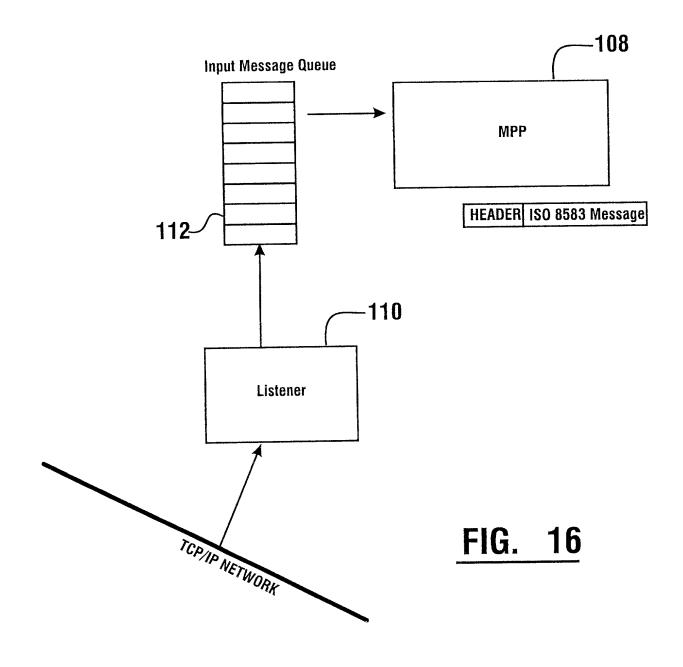


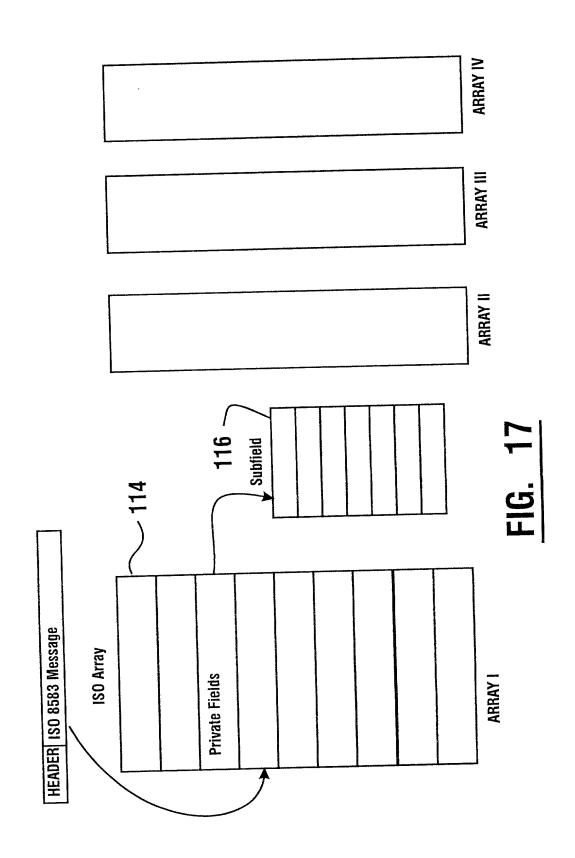


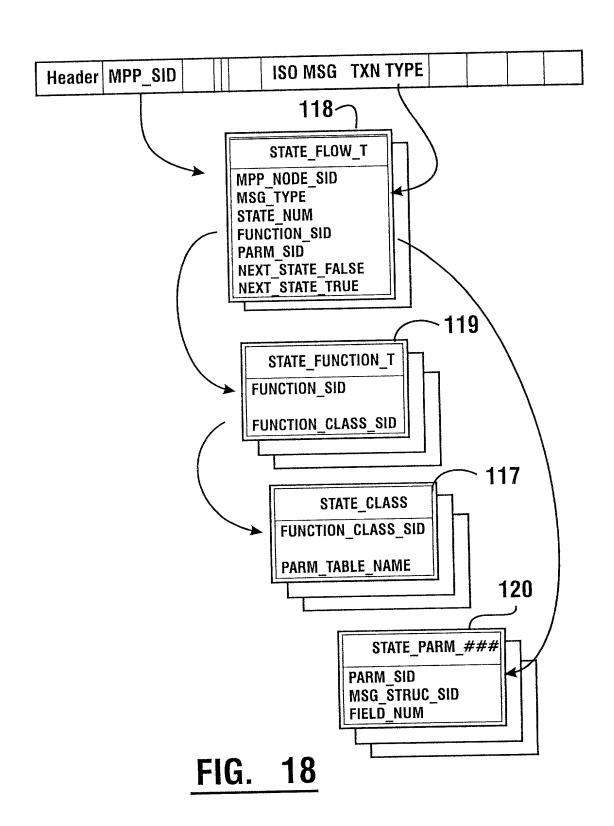


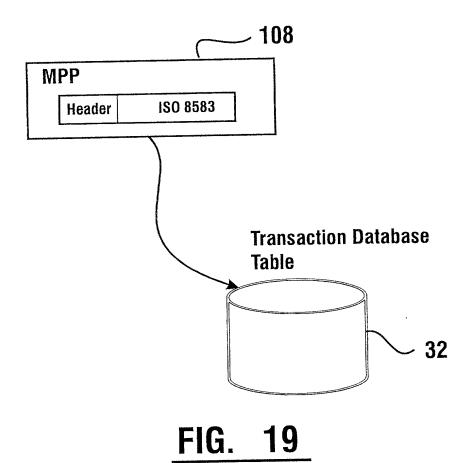
If the chosen Provider is not available at the time of the TCP/IP call. This table is used to determine if there is another service provider. Hot spare - fault tolerance.











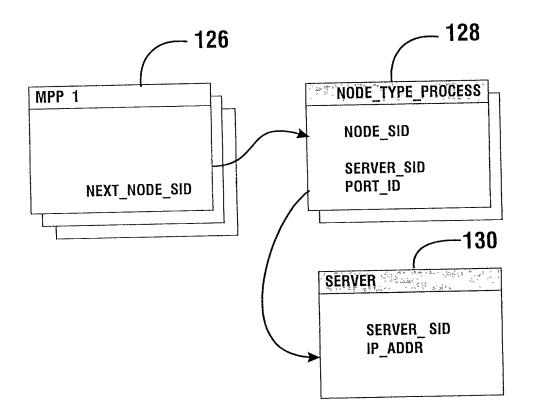
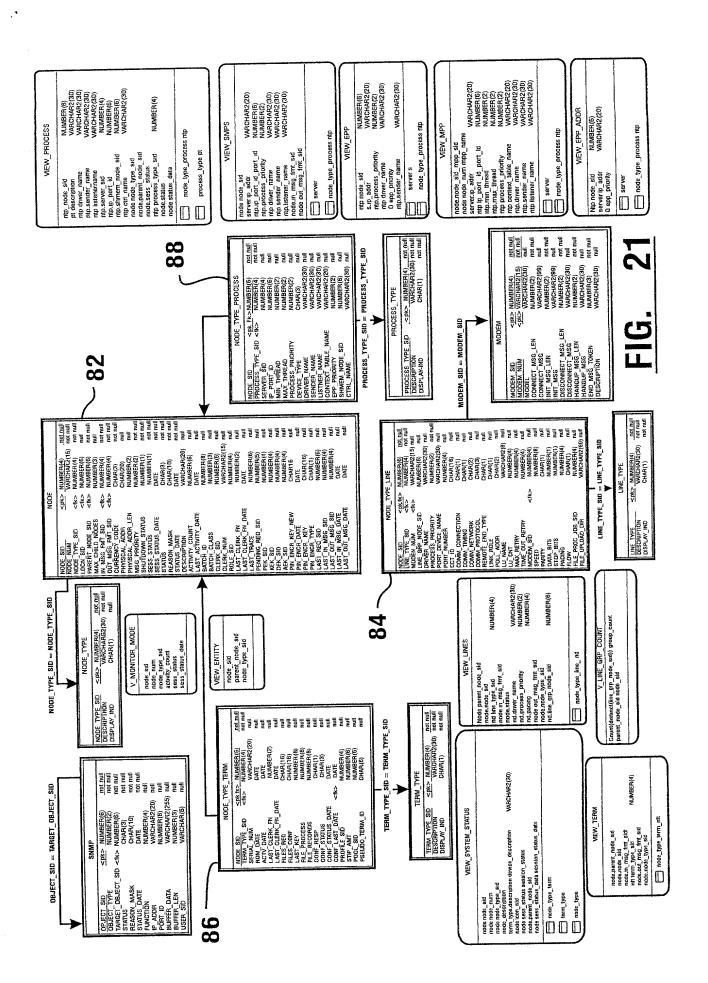
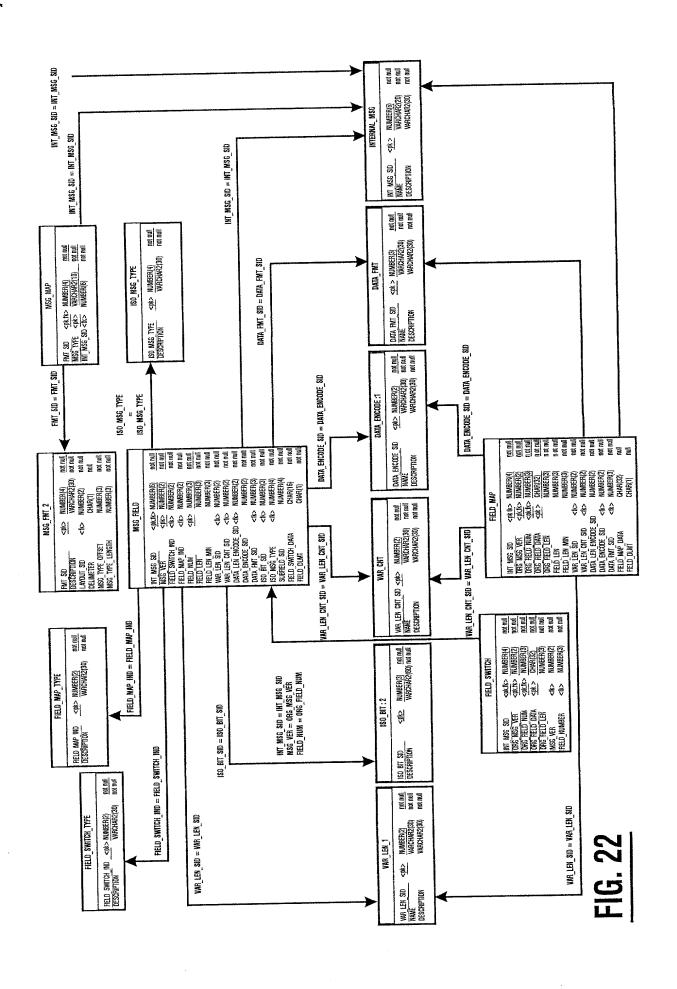
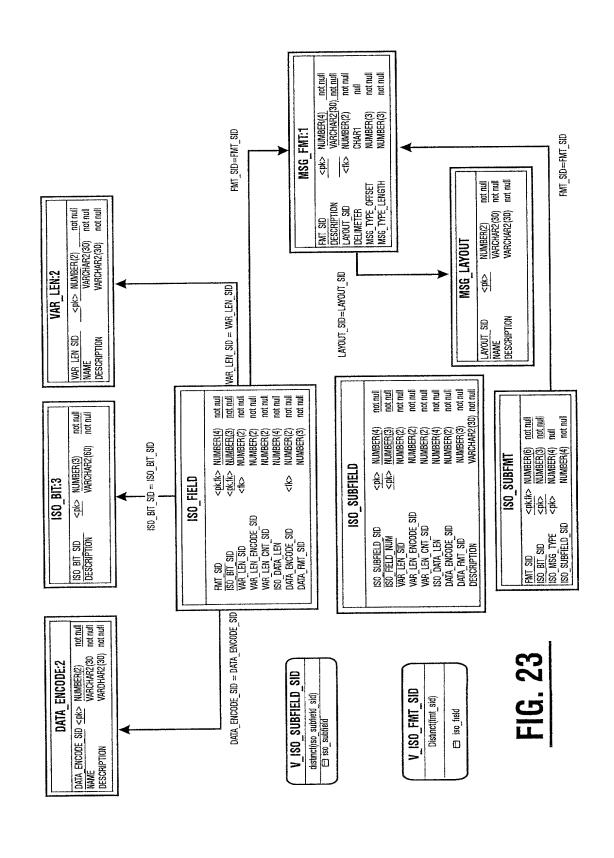


FIG. 20





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EXTERNAL_HOST				
HOST SID	<pk> NUMBER(6)</pk>	not null		
HOST_NUM	VARCHAR2(15)	null		
NAME	VARCHAR2(30)	nuli		
ADDR	VARCHAR2(30)	nuli		
CITY	VARCHAR2(20)	null		
STATE	CHAR(2)	null		
COUNTRY CODE	CHAR(3)	null		
ZIP CODE	CHAR(9)	null		
CONTACT_NAME	VARCHAR2(30)	null		
TELEPHONE	VARCHAR2(16)	null		
NODE SID	NUMBER(6)	null		
COMMENTS	VARCHAR2(30)	null		
STATUS	CHAR(3)	กบไ		
STATUS_DATE	DATE	null		

SERVER_HOST_LINK					
SERVER SID		NUMBER(6)	not null		
HOST-SID		NUMBER(6)	not null		
PRIORITY		NUMBER(2)	null		

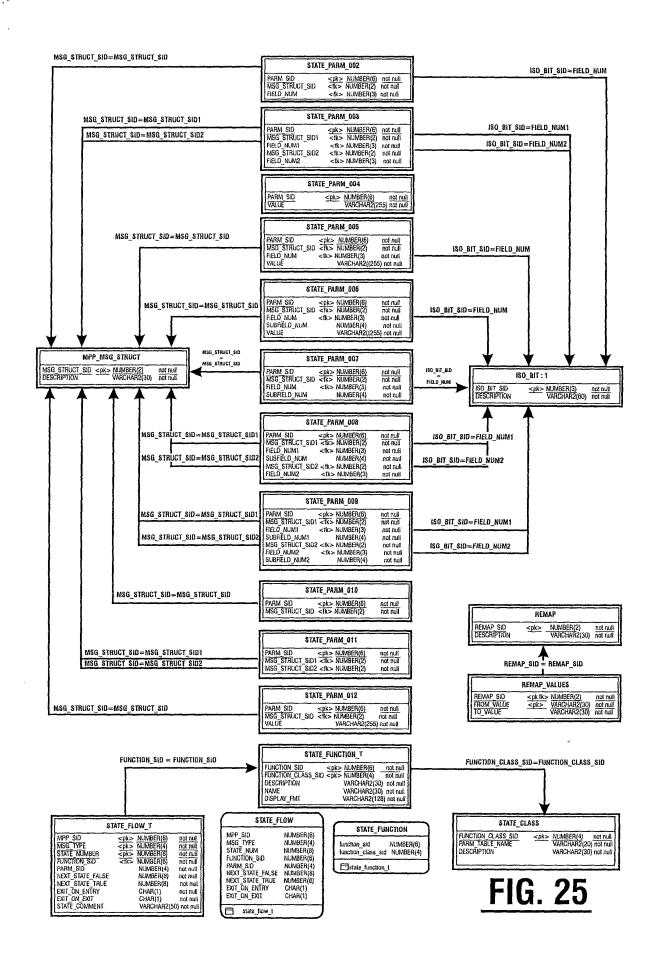
SERVER_SID = SERVER_SID

	SERVE	R	
SERVER SID	<u><pk></pk></u>	NUMBER(6)	not null
NAME		VARCHAR2(20)	not null
IP_ADDR		VARCHAR2(20)	not null

	COL_VALUE
TABLE NAME COLUMN NAME ITEM OFFSET COLUMN VALUE DESCRIPTION	<pk> VARCHAR2(20) not null <pk> VARCHAR2(20) not null <pk> NUMBER(2) not null <pk> VARCHAR2(3) not null VARCHAR2(30) not null</pk></pk></pk></pk>

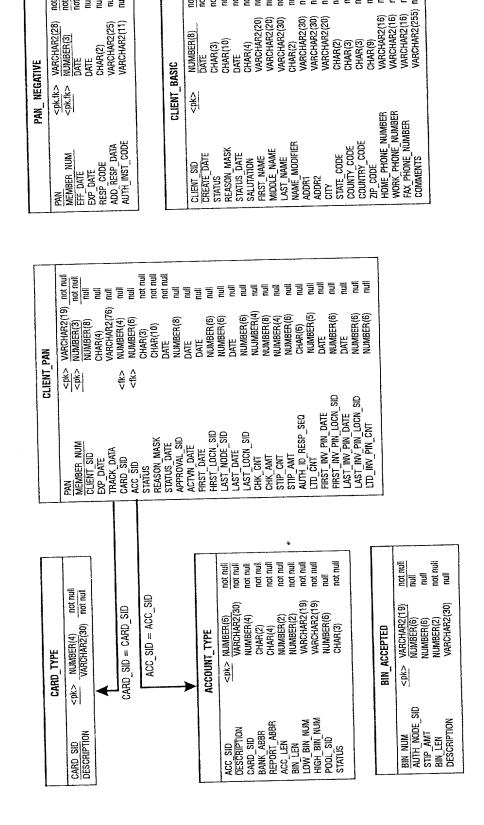
STATUS_REASON					
TABLE NAME		VARCHAR2(20	not nufl		
STATUS VALUE		CHAR(3)	not nufl		
REASON_NUM		NUMBER(2)	not nufl		

SYSTEM_PARM			
SYSTEM PARM SID PARAMETER VALUE FMT STATUS STATUS DATE DESCRIPTION	<pk>NUMBER(4) <pk>VARCHAR2(10) VARCHAR2(20) VARCHAR2(10) CHAR(3) DATE VARCHAR2(30)</pk></pk>	not null not null not null not null not null not null	



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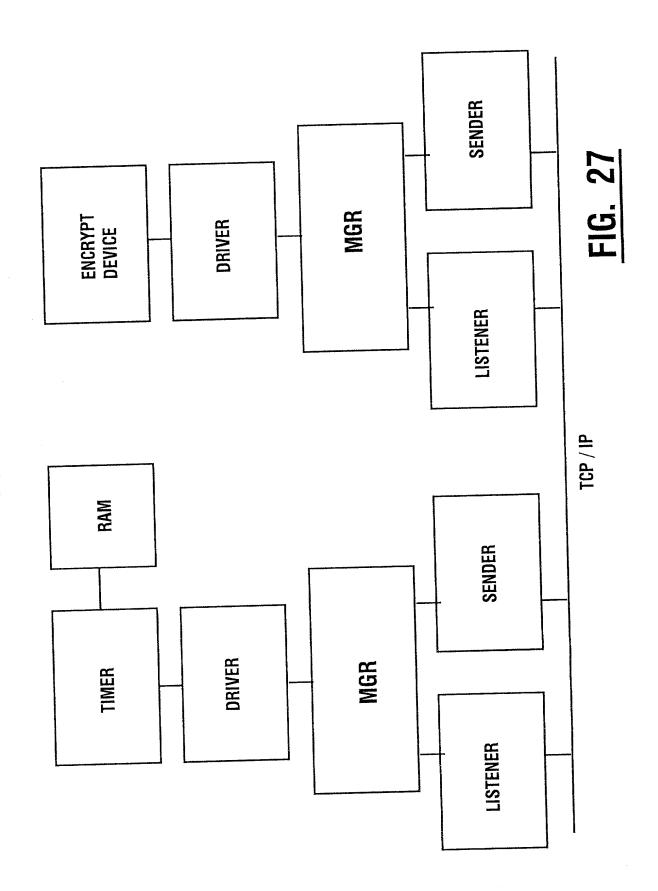
not null not null null null



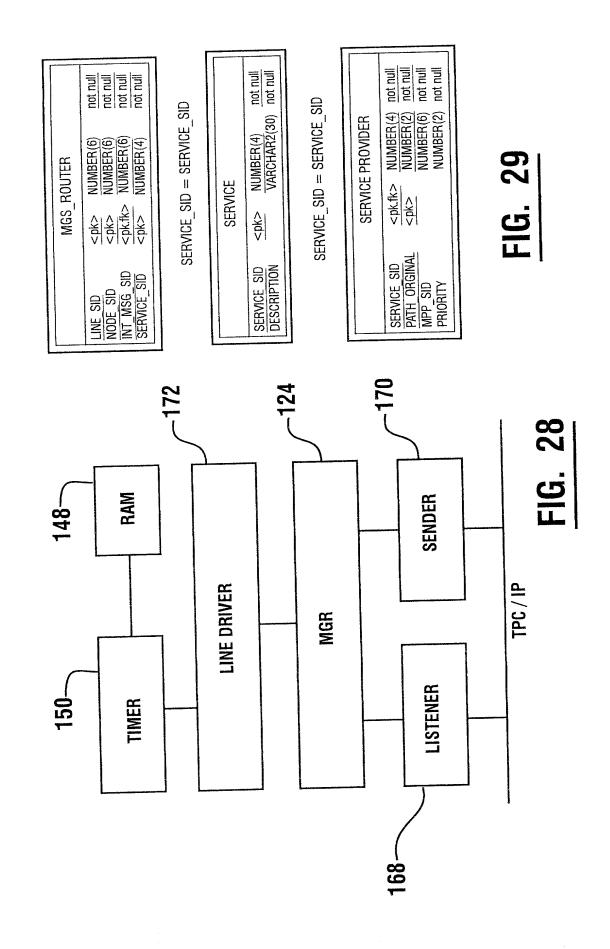
not rull not rull not rull not rull not rull not rull

FIG. 26

null
not null
not null
not null
not null
not null
not null
null
null



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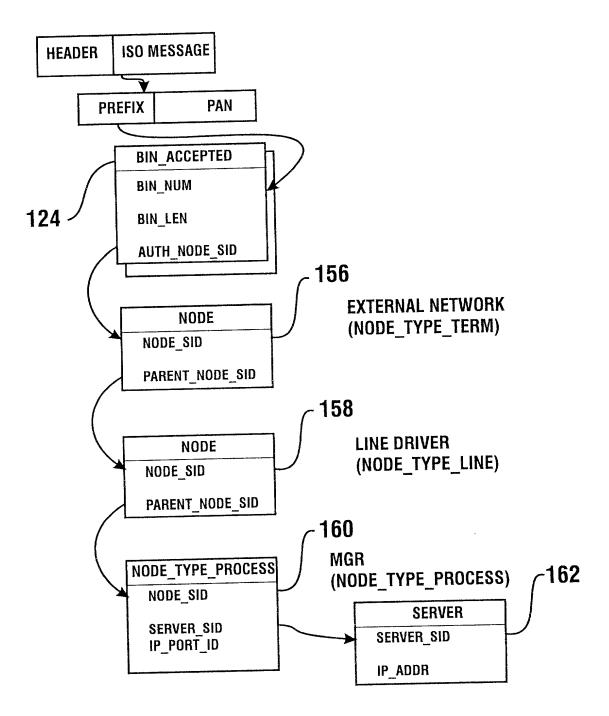


FIG. 30